

# A Shady Solution



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Part I: Overview of Business

The goal of Jasper County Conservation Board is to provide quality parks, recreation, conservation and outdoor education opportunities on nature and environmental education.

Part II: Job Specifics

- Assist with nature camps
- Write curriculum based on NGSS and environmental education
- Aligned current curriculum with NGSS standards
- Developed new summer programs
- Led a conservation crew and prairie restoration projects

Part III: Introduce the Problem

One of my jobs at the JCC was to create a project for high school students that centered around conservation. The area around the baseball field at a local school needs more shade. In the summertime, it gets extremely hot for the spectators. There’s some space located behind centerfield, as well as by the school, to plant some trees. However, the school does not know what type of trees would be beneficial to plant in these areas. The goal is to research the area to find common types of trees that would create the maximum amount of shade, as well as to help create an environment capable of supporting life to the endangered [Indiana bat](#). Students will also write a grant to purchase the trees as well as the supplies needed to create bat houses.

Part IV: Background

- Students will need to research the Indiana bat: habitat, food/ nutrition, diseases, safety
- Students will be researching the location: [calculate space](#) and needs of area (amount of space needed per tree)
- Students will be researching tree types, cost analysis on trees/ upkeep, cost analysis of energy savings, diseases/pest control
- [Grant writing](#)
- [Link to google doc](#)

Part V: Business Solution

- The JCC will be involved in this project by coming into the classroom to help students collect research on trees and bats, as well as help with other aspects of environmental education.
- After students come up with their plan, they will present their findings to the superintendent, the school board and to the Jasper County Conservation Board.

Part VI: Student Solutions

- Solutions will be finding trees that would benefit the baseball field as well as the school area.
- Helping increase the knowledge of the benefits of bats
- Cost analysis of using shade trees
- Writing a grant proposal